As a below na	med inventor, I hereby declare that:			
This declaratio	n is of the following type:			
[X] [ ] [ ]	original divisional continuation continuation-in-part			
	INVENTORSHIP IDENTIFICATION			
original, first ar	post office address and citizenship are as stated below next to my name. I believe I am the ad sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural below) of the subject matter which is claimed and for which a patent is sought on the invention			
	TITLE OF INVENTION			
"PROCESS I	FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"			
	SPECIFICATION IDENTIFICATION			
The specificatio	n of which:			
[X] [] []	is attached hereto was filed on, under Serial No. (unknown), executed on even date herewith; or Express Mail No (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT international application no filed on and as amended under PCT Article 19 on			
AC	KNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR			
I hereby state the the claims, as an	at I have reviewed and understand the contents of the above-identified specification, including nended by any amendment referred to above.			
I acknowledge th 37, Code of Fede	ne duty to disclose all information I know to be material to patentability in accordance with Title eral Regulations, §1.56,			
and which is ma likelihood that a to issue as a pate	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application ont, and			
[ ] accordance with	[ ] In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.			

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any
foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating
at least one country other than the United States of America listed below, and have also identified below any
foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at
least one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

		-	• • • • • • • • • • • • • • • • • • • •	• •				
		No suc	h applications have	been filed.				
	[ <b>x</b> ]	Such a	pplications have bee	n filed as follo	ws:			
<b>A.</b>			CT application(s) i y claims under 35 i		mos. (6 n	nos. for design) p	orior to this applic	ation,
Count	ry/PCT		Application No	<u>0</u>	Date Fil	ed	Priority Claimed	
							[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No	1
В.	All fore		lication(s), if any,	filed more th	an 12 mos	s. (6 mos. for de	sign) prior to this	s U.S.
	Country Applica Filing d	tion No:						
C.	US Pro	visional	applications filed w	rithin 12 mon	ths prior to	o this U.S. Appli	cation	
	Applica Filing d		60/444,340 January 31, 2003					
			PRIORI	TY CLAIM (	35 U.S.C. §	§120)		
internati subject manner disclose substant applicat	ional app matter of provided informat ial likelil ion to iss	lication(s) each of liby the tion that nood that sue as a	under Title 35, Unit designating the U the claims of this a first paragraph of is material to the extra reasonable Exampatent) which occural filing date of this	nited States of pplication is no Title 35, Unit camination of timer would coursed between	America to disclose ed States this applicantification in the control of the contr	that is/are listed bed in that/those per Code, §112, I are ation (namely, insportant in decide	pelow and, insofar a rior application(s) a cknowledge the du formation where the ing whether to allo	as the in the lity to lere is w the
	[]		applications have b plications have beer		ws:			
	Serial N	0.	Filing Date	Patent	ed	Status Pending	Abandoned	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Walter Benjamin Glenn Registration No. 44,713 Francis E. Morris Registration No. 24,615

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Francis E. Morris
Phone No. (650) 493-4935

#### **DECLARATION**

Full name of sole or fir	st inventor: Songlin Xu	I	
Inventor's signature:	Soufiel	Date:	2/15/03
Residence:	Fremont, California		
Post Office Address:	41641 Denise St.		
	Fremont, CA 94539		
	U.S.A.	Country of Citizenship:	USA
Full name of second inv	rentor: Thorsten E	3. Lill	
Inventor's signature:		Date:	
Residence:	Santa Clara, California		
Post Office Address:	88 Muir Avenue		
	Santa Clara, CA 95051		
	U.S.A.	Country of Citizenshin:	Germany

Yeajer Arthur Chen Full name of third inventor: Date:\_\_\_\_\_ Inventor's signature:\_ Fremont, California Residence: Post Office Address: 744 Bodega Court Fremont, CA 94539 Country of Citizenship: USA U.S.A. Mohit Jain Full name of fourth inventor: Date: Inventor's signature: San Jose, California Residence: 4754 San Tropico Court Post Office Address: San Jose, CA 95135 Country of Citizenship: India U.S.A. Nicolas Gani Full name of fifth inventor: Date: Inventor's signature: Milpitas, California Residence: 755 East Capitol Ave #C-308 Post Office Address: Milpitas, CA 95035 Country of Citizenship: Indonesia U.S.A. Shing-Li Sung Full name of sixth inventor: Date: Inventor's signature:\_\_ Residence: Hsin-Chu, Taiwan N0121, Alley 18, Lane 85, Fu-Chun Street Post Office Address: Hsin-Chu, Taiwan Country of Citizenship: Taiwan TAIWAN Full name of seventh inventor: Jitske K. Trevor-Kretz Date: Inventor's signature:\_\_ Sunnyvale, California Residence: 1000 Escalon Avenue, #P1124 Post Office Address: Sunnyvale, CA 94086 Country of Citizenship: USA U.S.A. Meihua Shen Full name of eighth inventor: Inventor's signature:\_\_ Fremont, California Residence: 694 Perry Common Post Office Address: Fremont, CA 94539

U.S.A.

Country of Citizenship

**USA** 

Full name of ninth inventor:

Inventor's signature:

Residence:

Pleasanton, California

Post Office Address:

4159 Torino Court

Pleasanton, CA 94588

U.S.A.

Country of Citizenship

Iran

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This declaration	is of the following type:
[X] [ ] [ ]	original divisional continuation continuation-in-part
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	TITLE OF INVENTION
"PROCESS F	FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"
	SPECIFICATION IDENTIFICATION
The specification	of which:
[x] [ ] [ ]	is attached hereto was filed on, under Serial No. (unknown), executed on even date herewith; or Express Mail No (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT international application no filed on and as amended under PCT Article 19 on
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and which is mad likelihood that a to issue as a pater	terial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application at, and
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foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at
least one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

	[]	No suci	applications hav	e been me	eu.				
	[x]	Such ap	oplications have be	een filed a	s follows:				
Α.			CT application(s y claims under 3			6 mos. for desi	ign) pr	ior to this appl	ication,
Count	ry/PCT		Application ]	<u>No</u>	Date	Filed		Priority Claime	<u>d</u>
								[] Yes [] N [] Yes [] N [] Yes [] N	
В.	All fore		lication(s), if any	y, filed m	ore than 12 n	nos. (6 mos. f	or desi	ign) prior to tl	his U.S.
	Country Applica Filing d	tion No:							
C.	US Pro	visional :	applications filed	within 12	2 months prio	r to this U.S. 2	Applica	ation	
	Applica Filing d		60/444,340 January 31, 2003	3					
			PRIOR	RITY CL.	AIM (35 U.S.C	C. §120)			
internati subject manner disclose substant applicat	ional app matter of provided informa ial likeli ion to is	lication(s f each of i by the tion that hood that sue as a	under Title 35, U ) designating the the claims of this first paragraph of is material to the a reasonable Exa patent) which of nal filing date of	United Stapplication of Title 33 examination working the stapplication of the stapplication o	ates of Americ on is not discl 5, United State ion of this appould consider in etween the fili	ca that is/are li osed in that/th es Code, §112 lication (name t important in	sted be ose pri 2, I acl ly, info decidin	elow and, insofation application (sknowledge the primation where ag whether to al	or as the difference is low the
	[]		applications have be						
	Serial N	īo.	Filing Date		Patented	Status Pending		Abandoned	
	Serial N	ΙΟ.	rining Date		1 alcilled	renamg		Abandoned	_

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Direct telephone calls to:

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#### DECLARATION

Full name of sole or fire	st inventor: Songlin Xu	
Inventor's signature:		Date:
Residence:	Fremont, California	
Post Office Address:	41641 Denise St.	
	Fremont, CA 94539	
	U.S.A.	Country of Citizenship: USA
Full name of second inv	ventor: Thorsten B.	Lill
Inventor's signature:	Ylon Ala	Date: 6/11/03
Residence:	Santa Clara, California	•
Post Office Address:	88 Muir Avenue	
	Santa Clara, CA 95051	
	U.S.A.	Country of Citizenship: Germany

Full name of third inventor: Yeajer		ur Chen	
Inventor's signature:		Date:	
Residence: Post Office Address:	Fremont, California 744 Bodega Court Fremont, CA 94539 U.S.A.	Country of Citizenship:	
Full name of fourth inv	ventor: Mohit Jain		
Inventor's signature:		Date:	
Residence: Post Office Address:	San Jose, California 4754 San Tropico Court San Jose, CA 95135		
	U.S.A.	Country of Citizenship:	India
Full name of fifth inven			
Inventor's signature:	Milpitas, California	Date:	
Residence: Post Office Address:	Milpitas, California 755 East Capitol Ave #C-308 Milpitas, CA 95035		
	U.S.A.	Country of Citizenship:	Indonesia
Full name of sixth inven	tor: Shing-Li Sung	S	
Inventor's signature:		Date:	
Residence: Post Office Address:	Hsin-Chu, Taiwan		
1 ost Office Address.	N0121, Alley 18, Lane 85, Fu-Cl Hsin-Chu, Taiwan	iun Street	
	TAIWAN	Country of Citizenship:	Taiwan
Full name of seventh inv	entor: Jitske K. Trev	or-Kretz	
Inventor's signature:		Date:	
Residence: Post Office Address:	Sunnyvale, California 1000 Escalon Avenue, #P1124 Sunnyvale, CA 94086 U.S.A.	Country of Citizenship:	USA
Full name of eighth inver	ntor: Meihua Shen		
Inventor's signature:		Date:	
Residence: Post Office Address:	Fremont, California 694 Perry Common Fremont, CA 94539		
	U.S.A.	Country of Citizenship	USA

Full name of ninth inve	entor: Farid Ab	ooameri	
Inventor's signature:		Date:	
Residence:	Pleasanton, California		
Post Office Address:	4159 Torino Court		
	Pleasanton, CA 94588		
	U.S.A.	Country of Citizenship	Iran

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This declaration	a is of the following type:
[X] []	original divisional continuation continuation-in-part
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original, first ar	post office address and citizenship are as stated below next to my name. I believe I am the d sole inventor (if only one name is listed below) or an original, first and joint inventor (if plura below) of the subject matter which is claimed and for which a patent is sought on the invention.
	TITLE OF INVENTION
"PROCESS	FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"
	SPECIFICATION IDENTIFICATION
The specificatio	n of which:
[X] [ ] [ ]	is attached hereto was filed on, under Serial No. (unknown), executed on ever date herewith; or Express Mail No (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT international application no filed on and as amended under PCT Article 19 on
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least one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

	IJ	NO SUC	n applications nav	e been ii.	led.		
	[x]	Such ap	oplications have b	een filed	as follows:		
<b>A.</b>	Prior fo	reign/P priorit	CT application(s y claims under 3:	) filed wi 5 U.S.C.	thin 12 mos. (6 §119	mos. for design)	prior to this application,
Count	ry/PCT		Application	<u>No</u>	Date F	<u>lled</u>	Priority Claimed
							[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No
В.	All forei	gn app	lication(s), if any	, filed m	ore than 12 mo	os. (6 mos. for o	design) prior to this U.S.
	Country: Applicati Filing da						
C.	US Prov	isional a	applications filed	within 1	2 months prior	to this U.S. App	lication
	Applicati Filing da		60/444,340 January 31, 2003	į			
			PRIOR	UTY CL	AIM (35 U.S.C.	§120)	
internati subject i manner disclose substanti applicati	onal appli matter of e provided informatic ial likeliho on to issi	cation(s) each of by the on that is ood that ie as a	) designating the the claims of this first paragraph o is material to the a reasonable Exa	United St applicati f Title 3: examinati miner wo curred be	rates of America on is not disclos 5, United States ion of this applicated to the consider it in the tween the filing	that is/are listed ed in that/those Code, §112, I ation (namely, in apportant in deci-	below and, insofar as the prior application(s) in the acknowledge the duty to information where there is ding whether to allow the or application(s) and the
			applications have before the before the second seco				
	Serial No.		Filing Date	, <del>-</del> :	Patented	Status Pending	Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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#### **DECLARATION**

Full name of sole or fir	st inventor: Songlin Xu	I	
Inventor's signature:		Date:	
Residence:	Fremont, California		
Post Office Address:	41641 Denise St.		
	Fremont, CA 94539		
	U.S.A.	Country of Citizenship:	USA
Full name of second inv	ventor: Thorsten B	. Lill	
Inventor's signature:		Date:	
Residence:	Santa Clara, California		
Post Office Address:	88 Muir Avenue		
	Santa Clara, CA 95051		
	U.S.A.	Country of Citizenship:	Germany

Full name of third inver	ntor: Yeajer	Arthur Chen	, .
	$\alpha \mathcal{M}$	111-	6/10/200
Inventor's signature:	ow with	Date	611-7
Residence:	Fremont, California		
Post Office Address:	744 Bodega Court		
	Fremont, CA 94539		
	U.S.A.	Country of Citizen	ship: USA
Full name of fourth inve	entor: Mohit J	ain	
		Data	
Inventor's signature:	0.1:0	Date:	
Residence:	San Jose, California		•
Post Office Address:	4754 San Tropico Court		
	San Jose, CA 95135		•
	U.S.A.	Country of Citizen	ship: India
	U.S.A.	Country of Chizen	sinp. maia
			•
Full name of fifth invent	or: Nicolas	Gani	
Inventor's signature:		Date:	
Residence:	Milpitas, California		
Post Office Address:	755 East Capitol Ave #C-3	808	
	Milpitas, CA 95035		
•	U.S.A.	Country of Citizen	ship: Indonesia
Full name of sixth inven	ton Shing I	i Sung	
ruii name oi sixtii iliven	tor: Shing-L	i Sung	
Inventor's signature:		Date:	
Residence:	Hsin-Chu, Taiwan		
Post Office Address:	N0121, Alley 18, Lane 85,	Fu-Chun Street	
	Hsin-Chu, Taiwan		
	TAIWAN	Country of Citizens	ship: Taiwan
		·	-
Full name of seventh inv	rentor: Jitske K	. Trevor-Kretz	
Inventor's signature:		Date:	
Residence:	Sunnyvale, California		
Post Office Address:	1000 Escalon Avenue, #P1	124	
rost Office Address.	Sunnyvale, CA 94086	124	
	U.S.A.	Country of Citizens	ship: USA
	U.S.A.	Country of Chizens	mp. Corr
Full name of eighth inve	ntor: Meihua	Shen	
Inventor's signature:		Date:	
Residence:	Fremont, California	Date.	
Post Office Address:	694 Perry Common		
1 ost Office Address.	Fremont, CA 94539		
	U.S.A.	Country of Citizens	ship USA
	·····	Commer or Citation	r

Full name of ninth inventor:

Farid Abooameri

Inventor's signature:

Residence:

Pleasanton, California

Post Office Address:

4159 Torino Court

Pleasanton, CA 94588

U.S.A.

Country of Citizenship

Iran

This declaration	is of the following type:
[X] [ ] [ ]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original, first an	post office address and citizenship are as stated below next to my name. I believe I am the d sole inventor (if only one name is listed below) or an original, first and joint inventor (if plura below) of the subject matter which is claimed and for which a patent is sought on the invention
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date bef	date before that of the application(s) of which priority is claimed.								
	[]	No sucl	h applications have	been filed.					
	[x]	Such ar	oplications have be	en filed as fol	lows:				
Α.			CT application(s) y claims under 35		12 mos. (6 r	nos. for desig	gn) prio	r to this ap	plication,
Count	ry/PCT		Application N	<u>Io</u>	Date Fil	led	<u>Pr</u>	iority Clair	ned
							[	] Yes [ ] ] Yes [ ] ] Yes [ ]	No
В.	All fore		lication(s), if any	filed more	than 12 mo	s. (6 mos. fo	r desig	n) prior to	this U.S.
	Country Applica Filing d	tion No:							
c.	US Pro	visional	applications filed	within 12 mo	nths prior t	to this U.S. A	pplicati	on	
	Applica Filing d		60/444,340 January 31, 2003						
			PRIOR	ITY CLAIM	(35 U.S.C.	§120)			
I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.  No such applications have been filed									
	[]		plications have bee		lows:				-
	Serial N	o	Filing Date	Pater	nted	Status Pending	A	bandoned	<del></del>

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Full name of third inver	ntor: Yeajer	Yeajer Arthur Chen		
Inventor's signature:		Date:		
Residence:	Fremont, California			
Post Office Address:	744 Bodega Court Fremont, CA 94539			
	U.S.A.	Country of Citizenship:	USA	
Full name of fourth inve	entor: Mohit J	Jain	,	
Inventor's signature:	Mohit Kuman	Fain Date: 09	105/03	
Residence:	San Jose, California	Date: 5 1	100/00	
Post Office Address:	4754 San Tropico Court			
	San Jose, CA 95135			
	U.S.A.	Country of Citizenship:	India	
Full name of fifth invent	or: Nicolas	Gani		
Inventor's signature:		Date:		
Residence:	Milpitas, California			
Post Office Address:	755 East Capitol Ave #C-3 Milpitas, CA 95035	308		
	1411pitas, C/1 75055			
	U.S.A.	Country of Citizenship:	Indonesia	
Full name of sixth invent	or: Shing-L	i Sung		
Inventor's signature:		Date:		
Residence: Post Office Address:	Hsin-Chu, Taiwan N0121, Alley 18, Lane 85,	Fu-Chun Street		
1 ost Office Address.	Hsin-Chu, Taiwan	1 u-Chun Sucei		
•	TAIWAN	Country of Citizenship:	Taiwan	
Full name of seventh inve	entor: Jitske K	. Trevor-Kretz		
Inventor's signature:		Date:		
Residence: Post Office Address:	Sunnyvale, California	124		
Fost Office Address.	1000 Escalon Avenue, #P1 Sunnyvale, CA 94086	124		
	U.S.A.	Country of Citizenship:	USA	
Full name of eighth inver	ntor: Meihua	Shen		
Inventor's signature:		Date:		
Residence:	Fremont, California			
Post Office Address:	694 Perry Common Fremont, CA 94539			
	U.S.A.	Country of Citizenship	USA	

Full name of ninth inve	entor: Farid Ab	Farid Abooameri		
Inventor's signature:		Date:		
Residence:	Pleasanton, California			
Post Office Address:	4159 Torino Court			
	Pleasanton, CA 94588		•	
	U.S.A.	Country of Citizenship	Iran	

As a below na	med inventor, I hereby declare that:
This declaration	on is of the following type:
[X] [ ] [ ]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original, first a	post office address and citizenship are as stated below next to my name. I believe I am the nd sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural d below) of the subject matter which is claimed and for which a patent is sought on the invention
	TITLE OF INVENTION
"PROCESS	FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"
	SPECIFICATION IDENTIFICATION
The specification	
[X] [] []	is attached hereto was filed on, under Serial No. (unknown), executed on even date herewith; or Express Mail No (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT international application no filed on and as amended under PCT Article 19 on
AC	CKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
the claims, as an	nat I have reviewed and understand the contents of the above-identified specification, including mended by any amendment referred to above.  the duty to disclose all information I know to be material to patentability in accordance with Title
37, Code of Fed	eral Regulations, §1.56,
and which is m ikelihood that a o issue as a pate	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application ent, and
[]	In compliance with this duty, there is attached an Information Disclosure Statement in 37 CFR \$1.98

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any
foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating
at least one country other than the United States of America listed below, and have also identified below any
foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at
least one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

	[]	No suc	h applications ha	ve been fi	led.						
	[x]	Such a	oplications have	been filed	as follow	s:					
Α.			CT application( y claims under :			10s. (6 n	nos. for o	design) p	rior to tl	his appl	ication,
		-			-						
Count	ry/PCT		Application	ı No		Date Fil	<u>ed</u>		Priority	Claimed	<u>d</u>
									[ ] Yes [ ] Yes [ ] Yes	( j )	Vо
В.	All fore		lication(s), if an	ıy, filed n	nore than	12 mo	s. (6 mos	s. for de	sign) pri	or to th	nis U.S.
	Country Applica Filing da	tion No:									
C.	US Prov	visional	applications file	d within 1	2 month	s prior t	o this U.	S. Appli	cation		
	Applicat	tion No:	60/444,340								
	Filing da		January 31, 200	)3							
			PRIO	RITY CL	AIM (35	U.S.C.	§120)				
nternati ubject i nanner lisclose ubstant pplicati	onal appl matter of provided informat ial likelih ion to iss or PCT i	lication(seach of leach of lea	under Title 35, 18) designating the the claims of the first paragraph is material to the a reasonable Expatent) which conal filing date of applications have be	e United S is applicat of Title 3 e examinat caminer w occurred b this appli	tates of A nion is not 5, United tion of thi ould cons between the cation.	merica disclose States s applic ider it in ae filing	that is/are ed in that Code, § ation (name	e listed b t/those pr 112, I ad mely, inf in decidi	elow and rior appli eknowled formation ng wheth	l, insofate cation(sige the where to all	r as the ) in the duty to there is low the
							Status			-	
	Serial No	0.	Filing Date		Patented		Pending	<u>.                                    </u>	Abando	ned	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Registration No. 25,610 Peter J. Sgarbossa Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Walter Benjamin Glenn Registration No. 44,713 Francis E. Morris Registration No. 24,615

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Francis E. Morris Phone No. (650) 493-4935

#### **DECLARATION**

Full name of sole or fir	st inventor: Songlin X	Ц	
Inventor's signature:		Date:	
Residence:	Fremont, California		
Post Office Address:	41641 Denise St.		
	Fremont, CA 94539		
	U.S.A.	Country of Citizenship:	USA
Full name of second inv	ventor: Thorsten I	B. Lill	
Inventor's signature:		Date:	
Residence:	Santa Clara, California		
Post Office Address:	88 Muir Avenue		
	Santa Clara, CA 95051		
	U.S.A.	Country of Citizenship:	Germany

Full name of third inve	entor: Yeajer Arthu	r Chen	
Inventor's signature:	ı	Date:	
Residence: Post Office Address:	Fremont, California 744 Bodega Court Fremont, CA 94539 U.S.A.	Country of Citizenship: USA	
Full name of fourth inv	ventor: Mohit Jain		
Inventor's signature:		Date:	
Residence: Post Office Address:	San Jose, California 4754 San Tropico Court San Jose, CA 95135	· ·	
	U.S.A.	Country of Citizenship: India	
Full name of fifth inven Inventor's signature:	tor: Nicolas Gani	Date: 6/13/03	
Residence: Post Office Address:	Milpitas, California 755 East Capitol Ave #C-308 Milpitas, CA 95035		
	U.S.A.	Country of Citizenship: Indonesia	
Full name of sixth inven	ntor: Shing-Li Sung		
Inventor's signature:		Date:	
Residence: Post Office Address:	Hsin-Chu, Taiwan N0121, Alley 18, Lane 85, Fu-Ch Hsin-Chu, Taiwan	un Street	
	TAIWAN	Country of Citizenship: Taiwan	
Full name of seventh inv	ventor: Jitske K. Treve	or-Kretz	
Inventor's signature:		Date:	
Residence: Post Office Address:	Sunnyvale, California 1000 Escalon Avenue, #P1124 Sunnyvale, CA 94086 U.S.A.	Country of Citizenship: USA	
Full name of eighth inve	entor: Meihua Shen		
Inventor's signature:		Date:	
Residence: Post Office Address:	Fremont, California 694 Perry Common Fremont, CA 94539		
	U.S.A.	Country of Citizenship USA	

Full name of ninth inve	entor: Farid Abo	oameri		
Inventor's signature:		Date:		
Residence:	Pleasanton, California			_
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	duty to disclose all information I know to be material to patentability in accordance with Title I Regulations, §1.56,				
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date before that of the application(s) of which priority is claimed.

uate of	JOIC Mat	or the a	ppiication(s) of wife	in priority is cia	imed.		
	[]	No su	ch applications have	been filed.			
	[x]	Such	applications have bee	en filed as follo	ws:		
Α.	Prior fo	oreign/l y priori	PCT application(s) sity claims under 35	filed within 12 U.S.C. §119	mos. (6 mos.	for design)	prior to this application,
Count	ry/PCT		Application N	<u>o</u>	Date Filed		Priority Claimed
							[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No
В.	All fore	eign ap <sub>l</sub>	plication(s), if any,	filed more tha	an 12 mos. (6	mos. for d	esign) prior to this U.S.
	Country Applicat Filing da	tion No:	:				
C.	US Prov	isional/	applications filed w	vithin 12 mont	hs prior to thi	s U.S. Appl	ication
	Applicat Filing da		60/444,340 January 31, 2003				
			PRIORI'	TY CLAIM (3	5 U.S.C. §120	)	
nternati ubject i nanner lisclose ubstant pplicati ational	onal appl matter of provided informati ial likelih on to iss or PCT ir	ication( each of by the ion that ood tha ue as a iternation	s) designating the Unit of this age first paragraph of is material to the ext a reasonable Exam	nited States of pplication is no Title 35, Unite translation of the price would contract between its application.	America that in the disclosed in the filing date of the disclosed in the d	s/are listed that/those pe, §112, I a (namely, in tant in decide	tes application(s) or PCT below and, insofar as the prior application(s) in the acknowledge the duty to formation where there is ing whether to allow the or application(s) and the
	( )	ouom ap	productions have been	inou, as follow		110	
	Serial No	)	Filing Date	Patente	Stat d Pend	ding	Abandoned

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#### **DECLARATION**

rull name of sole or fir	st inventor: Songlin Xi	1	
Inventor's signature:		Date:	
Residence:	Fremont, California		
Post Office Address:	41641 Denise St.		
	Fremont, CA 94539		
	U.S.A.	Country of Citizenship:	USA
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Inventor's signature:		Date:	
Residence:	Santa Clara, California		······
Post Office Address:	88 Muir Avenue		
	Santa Clara, CA 95051		
	U.S.A.	Country of Citizenshins	Commence

Full name of third inve	entor:	Yeajer Arthur	Chen	
Inventor's signature:			Date:	
Residence: Post Office Address:	Fremont, Califo 744 Bodega Cor Fremont, CA 94 U.S.A.	rnia ırt	Country of Citizenship:	USA
Full name of fourth inv	rentor:	Mohit Jain		
Inventor's signature:			Date:	
Residence: Post Office Address:	San Jose, Califo 4754 San Tropio San Jose, CA 95	o Court	Date.	
·	U.S.A.		Country of Citizenship:	India
Full name of fifth inven	tor:	Nicolas Gani		
Inventor's signature:			Date:	
Residence: Post Office Address:	Milpitas, Califor 755 East Capitol Milpitas, CA 950	Ave #C-308		
	U.S.A.		Country of Citizenship:	Indonesia
Full name of sixth inver	itor:	Shing-Li Sung		
Inventor's signature:	Shin	1-P. Suns	Date:	6/30,03
Residence:	Hsin-Chu, Taiwa	n d		
Post Office Address:	N0121, Alley 18,	Lane 85, Fu-Chi	ın Street	
	Hsin-Chu, Taiwa TAIWAN	n	Country of Citizenship:	Taiwan
Full name of seventh in	ventor:	Jitske K. Trevo	r-Kretz	
Inventor's signature:			Date:	
Residence: Post Office Address:	Sunnyvale, Califo 1000 Escalon Av Sunnyvale, CA 9 U.S.A.	enue, #P1124	Country of Citizenship:	USA
Full name of eighth inve	ntor:	Meihua Shen		
inventor's signature:			Date:	
Residence: Post Office Address:	Fremont, Californ 694 Perry Commo Fremont, CA 945	on		
	U.S.A.	•	Country of Citizenship	USA

Country of Citizenship

USA

Full name of ninth inve	entor: Farid Abo	oameri	
Inventor's signature:		Date:	
Residence: Post Office Address:	Pleasanton, California 4159 Torino Court Pleasanton, CA 94588 U.S.A.	Country of Citizenship	Iran

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This declaration is of the following type:					
[X] original [ ] divisional [ ] continuation [ ] continuation-in-part					
[] Communion in part					
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My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:					
TITLE OF INVENTION					
"PROCESS FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"					
SPECIFICATION IDENTIFICATION					
The specification of which:					
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ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR					
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.					
I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,					
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	IJ	No suc	n applications nav	e been ii.	iea.						
	[x]	Such a	pplications have b	een filed	as follows	<b>3</b> :					
Α.			CT application(s ty claims under 3			10s. (6 m	os. for des	sign) p	rior to th	nis appi	lication,
Coun	try/PCT		Application	<u>No</u>		<u>Date File</u>	<u>d</u>		Priority	Claime	<u>d</u>
									[ ] Yes [ ] Yes [ ] Yes	[]	Vo
В.	All for applica		olication(s), if any	y, filed n	nore than	12 mos.	. (6 mos. 1	for de:	sign) pric	or to t	his U.S.
	Country Applica Filing d	ition No:									
C.	US Pro	visional	applications filed	within 1	2 months	prior to	this U.S.	Applic	ation		
	Applica Filing d		60/444,340 January 31, 2003	3							
•			PRIO	RITY CL	AIM (35	U.S.C. §	120)				
internat subject manner disclose substan applica	ional app matter of provided informa tial likelition to is	dication(s) f each of d by the tion that hood that sue as a internation of the such that the such th	t under Title 35, Us, designating the the claims of this first paragraph of is material to the tareasonable Example patent) which occur applications have belications have be	United S applicate of Title 3 examinate with a security of this application of the security of	tates of A ion is not 5, United ion of thi ould constetween the cation.	merica the disclosed States (sapplicated der it immerities)	nat is/are lid in that/the Code, §112 tion (name portant in	isted bottom isted bottom isted by infection is the contract of the contract o	elow and ior application application in the control of the control	, insofa cation(s ge the where er to al	or as the solution in the duty to there is low the
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	Serial N	lo.	Filing Date		Patented		Status Pending		Abando	ned	

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#### **DECLARATION**

Full name of sole or fir	st inventor: Songlin X	u	
Inventor's signature:		Date:	
Residence:	Fremont, California		
Post Office Address:	<sup>4</sup> 1641 Denise St.		
	Fremont, CA 94539		
	U.S.A.	Country of Citizenship:	USA
Full name of second in	ventor: Thorsten I	3. Lill	
Inventor's signature:		Date:	
Residence:	Santa Clara, California		
Post Office Address:	88 Muir Avenue		
	Santa Clara, CA 95051		
	U.S.A.	Country of Citizenship:	Germany

Full name of third invent	tor: Yeajer Arthur	Chen	
Inventor's signature:		Date:	
Inventor's signature: Residence:	Fremont, California	Dutc	
Post Office Address:	744 Bodega Court		
	Fremont, CA 94539		***
	U.S.A.	Country of Citizenship:	USA
Full name of fourth inver	ntor: Mohit Jain		
		<b></b>	
Inventor's signature:		Date:	
Residence:	San Jose, California	•	
Post Office Address:	4754 San Tropico Court San Jose, CA 95135		
	Sail Jose, CA 95155		
	U.S.A.	Country of Citizenship:	India
m ii concil :	Nicolas Cari		
Full name of fifth invento	or: Nicolas Gani		
Inventor's signature:		Date:	
Residence:	Milpitas, California		
Post Office Address:	755 East Capitol Ave #C-308		•
	Milpitas, CA 95035		
	U.S.A.	Country of Citizenship:	Indonesia
E II Colombia	or: Shing-Li Sung		
Full name of sixth invent	or: Sining-Li Sung		
Inventor's signature:		Date:	
Residence:	Hsin-Chu, Taiwan		
Post Office Address:	N0121, Alley 18, Lane 85, Fu-Ch	un Street	
	Hsin-Chu, Taiwan	Country of Citizenship:	Taiwan
	TAIWAN	Country of Chizensmp.	1 alwan
Full name of seventh inve	entor: Jitske K. Tree	or-Kretz	
Ttla siamatana	led 7	Date: マ(	7103
Inventor's signature:  Residence: San Jose	Supporale California	Dutc	
Post Office Address:	1 <del>000 Escalon Avenue, #P1124</del>	343 Henderson	or (xx)
X 000 01110 1 1000 100	Sunnyvale, CA 94086	San Jose, CA 95	5123
	U.S.A.	Country of Citizenship:	USA New Zeoland
Full name of eighth inver	ntor: Meihua Shen		
t all hante of eighter myor	***************************************		
Inventor's signature:		Date:	
Residence:	Fremont, California		
Post Office Address:	694 Perry Common		
	Fremont, CA 94539 U.S.A.	Country of Citizenship	USA
	U.D.A.	Country or Cumoumb	· <del>-</del>

Full name of ninth inve	entor: Farid Abo	oameri	
Inventor's signature:		Date:	
Residence: Post Office Address:	Pleasanton, California 4159 Torino Court Pleasanton, CA 94588 U.S.A.	Country of Citizenship	Iran

As a below na	med inventor, I hereby declare that:
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[X] [ ] [ ]	original divisional continuation continuation-in-part
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date be	iore mat	or the ap	plication(s) of which	i priority is cia	imea.			
	[]	No suc	h applications have	been filed.				
	[ <b>x</b> ]	Such a	pplications have bee	n filed as follo	ws:			
<b>A.</b>			CT application(s) f y claims under 35 l		mos. (6 mo	os. for design)	) prior to this applica	tion,
Count	ry/PCT		Application No	2	Date Filed	<u>i</u>	Priority Claimed	
							[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No	
В.	All fore		lication(s), if any,	filed more tha	an 12 mos.	(6 mos. for	design) prior to this	U.S.
	Country Applica Filing d	tion No:						
C.	US Pro	visional	applications filed w	ithin 12 mont	hs prior to	this U.S. App	lication	
	Applica Filing d		60/444,340 January 31, 2003					
			PRIORI'	TY CLAIM (3	85 U.S.C. §1	20)		
internati subject i manner disclose substant applicati	onal app matter of provided informatial likelilition to issue	lication(s each of l by the tion that nood that sue as a nternatio	s) designating the United claims of this a first paragraph of is material to the extra reasonable Exam	nited States of pplication is no Fitle 35, Unite armination of timer would concerned between application.	America the ot disclosed ed States C his applications the filing d	at is/are listed in that/those ode, §112, I ion (namely, i portant in deci	ates application(s) or labelow and, insofar as prior application(s) in acknowledge the dutinformation where their ding whether to allow ior application(s) and	the the y to re is the
	Serial N	0.	Filing Date	Patente	_	Status Pending	Abandoned	

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	U.S.A.	Country of Citizenship:	USA
Full name of second inv	ventor: Thorsten I	3. Lill	
Inventor's signature:		Date:	
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Yeajer Arthur Chen Full name of third inventor: Date: Inventor's signature: Fremont, California Residence: Post Office Address: 744 Bodega Court Fremont, CA 94539 Country of Citizenship: USA U.S.A. Mohit Jain Full name of fourth inventor: Date: Inventor's signature:\_ San Jose, California Residence: Post Office Address: 4754 San Tropico Court San Jose, CA 95135 Country of Citizenship: India U.S.A. Nicolas Gani Full name of fifth inventor: Date: Inventor's signature: Milpitas, California Residence: 755 East Capitol Ave #C-308 Post Office Address: Milpitas, CA 95035 Country of Citizenship: Indonesia U.S.A. Shing-Li Sung Full name of sixth inventor: Date: Inventor's signature: Hsin-Chu, Taiwan Residence: N0121, Alley 18, Lane 85, Fu-Chun Street Post Office Address: Hsin-Chu, Taiwan Country of Citizenship: Taiwan TAIWAN Jitske K. Trevor-Kretz Full name of seventh inventor: Inventor's signature: Sunnyvale, California Residence: 1000 Escalon Avenue, #P1124 Post Office Address: Sunnyvale, CA 94086 U.S.A. Country of Citizenship: USA Meihua Shen Full name of eighth inventor: 6-11-03 Inventor's signature: Fremont, California Residence: 694 Perry Common Post Office Address: Fremont, CA 94539 USA

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Full name of ninth inve	entor: Farid Abo	oameri	
Inventor's signature:	· 	Date:	
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	U.S.A.	Country of Citizenship	Iran

As a below half	led inventor, I hereby deciare man.
This declaration	is of the following type:
[X] [ ] [ ]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original, first and	post office address and citizenship are as stated below next to my name. I believe I am the d sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural below) of the subject matter which is claimed and for which a patent is sought on the invention
	TITLE OF INVENTION
"PROCESS F	FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"
	SPECIFICATION IDENTIFICATION
The specification	n of which:
[X] [] []	is attached hereto was filed on, under Serial No. (unknown), executed on even date herewith; or Express Mail No (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT international application no filed on and as amended under PCT Article 19 on
	KNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state th	at I have reviewed and understand the contents of the above-identified specification, including nended by any amendment referred to above.
	ne duty to disclose all information I know to be material to patentability in accordance with Title eral Regulations, §1.56,
and which is ma likelihood that a to issue as a pate	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application ent, and
[ ] accordance with	In compliance with this duty, there is attached an Information Disclosure Statement in 37 CFR §1.98.

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any
foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating
at least one country other than the United States of America listed below, and have also identified below any
foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at
least one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

	[]	No suc	h applications hav	e been filed.				
	[x]	Such ap	oplications have be	een filed as foll	ows:			
Α.			CT application(s) y claims under 35		2 mos. (6 n	nos. for design)	prior to this ap	plication,
Count	try/PCT		Application 1	No	Date Fil	ed	Priority Claim	ed
							[ ] Yes [ ] [ ] Yes [ ] [ ] Yes [ ]	No
В.	All fore		lication(s), if any	, filed more tl	nan 12 mo	s. (6 mos. for d	esign) prior to	this U.S.
	Country: Applicat Filing da	ion No:						
C.	US Prov	isional a	applications filed	within 12 mon	ths prior t	o this U.S. Appl	ication	
	Applicati Filing da		60/444,340 January 31, 2003					
			PRIOR	ITY CLAIM (	35 U.S.C.	§120)		
internati subject i manner disclose substant applicati	ional appli matter of provided informati ial likelih- ion to issi or PCT in	ication(s each of by the on that i ood that ue as a nternation	under Title 35, Un) designating the latest the claims of this first paragraph of a reasonable Exampatent) which occur al filing date of the applications have because the state of the applications have because the state of the	United States of application is a formal from the state of the state o	f America of the disclose ted States this applicate on the filing	that is/are listed in that/those p cd in that/those p Code, §112, I a ation (namely, in aportant in decid	below and, insoft prior application( acknowledge the formation where ling whether to a	far as the (s) in the duty to there is allow the
		<b>P</b> F		,		Status		
	Serial No		Filing Date	Patent	ed	Pending	Abandoned	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Walter Benjamin Glenn Registration No. 44,713 Francis E. Morris Registration No. 24,615

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#### DECLARATION

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Residence:	Santa Clara, California		
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Full name of third inventor: Yeajer Arthur Chen Inventor's signature: Date: Residence: Fremont, California Post Office Address: 744 Bodega Court Fremont, CA 94539 U.S.A. Country of Citizenship: USA Full name of fourth inventor: Mohit Jain Inventor's signature: Date: San Jose, California Residence: Post Office Address: 4754 San Tropico Court San Jose, CA 95135 U.S.A. Country of Citizenship: India Full name of fifth inventor: Nicolas Gani Inventor's signature: Date:\_\_\_ Residence: Milpitas, California Post Office Address: 755 East Capitol Ave #C-308 Milpitas, CA 95035 U.S.A. Country of Citizenship: Indonesia Full name of sixth inventor: Shing-Li Sung Inventor's signature: Residence: Hsin-Chu, Taiwan Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street Hsin-Chu, Taiwan TAIWAN Country of Citizenship: Taiwan Full name of seventh inventor: Jitske K. Trevor-Kretz Inventor's signature:\_ Date: Sunnyvale, California Residence: Post Office Address: 1000 Escalon Avenue, #P1124 Sunnyvale, CA 94086 U.S.A. Country of Citizenship: USA Full name of eighth inventor: Meihua Shen Inventor's signature: Date: Fremont, California Residence: 694 Perry Common Post Office Address: Fremont, CA 94539

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